

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01R33/561

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	J.TSAO ET AL.: "Minimum-norm reconstruction for optimal spatial response in high-resolution SENSE imaging" PROC.INTL.SOC.MAG.RESON.MED. 11, 2003, page 14, XP002296625 conference abstract	1-6, 10-12, 14,15
X	PRUESSMANN K P ET AL: "SENSE: SENSITIVITY ENCODING FOR FAST MRI" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 42, no. 5, November 1999 (1999-11), pages 952-962, XP000866655 ISSN: 0740-3194 cited in the application see the chapter 'General Theory of Sensitivity Encoding' and Appendix B ----- -/--	1-7, 9-12,14, 15

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

21 September 2004

Date of mailing of the international search report

07/10/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	U.DYDAK ET AL.: "The Spatial Response Function in SENSE-SI" PROC.INTL.SOC.MAG.RESON.MED. 8, 2000, page 1848, XP002296626 conference abstract	1,2,14,15
X	J.TSAO ET AL.: "Feedback Regularization for SENSE Reconstruction" PROC.INTL.SOC.MAG.RESON.MED. 10, 2002, XP002296627 conference abstract	1,7-9
A	X.ZHAO ET AL.: "Recursive SENSE for Reducing Artifacts in Sensitivity-Encoded Spectroscopic Imaging" PROC.INTL.SOC.MAG.RESON.MED. 10, 2002, XP002296628 cited in the application conference abstract	1,2,10,12,14,15
A	U.KATSCHER ET AL.: "Underdetermined SENSE using a-priori knowledge" PROC.INTL.SOC.MAG.RESON.MED. 10, 2002, XP002297147 conference abstract	13